1.08-31-00

PTO	/SB/05	(1/98)

Please type a plus sign (+) inside this box

Approved for use through 09/30/2000. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UTILITY PATENT APPLICATION **TRANSMITTAL**

4218US (99-0796) Attorney Docket No. First Inventor or Application Identifier Eugene P. Marsh PROCESS FOR THE FORMATION OF RUSIXOY-CONTAINING BARRIER LAYERS FOR HIGH-K DIELECTRICS

(Only for new nonprovisional applications under 37 CFR 1.53(b))

EL700253397US Express Mail Label No.

5,11,7 10									Assistan	t Comm	issioner for Patent	s	
		APPL	ICATIO	N ELEMENT	'S		ADD	RESS TO:	Box Pate Washing	ent Appli	ication 20231	<u>6</u>	
See M	IPEP (chapter	600 conce	eming utility pate	nt application cont	ents.						A.	
1.	x ,	Fee T	ransmitt	al Form (e.g., al. and a duplicate	PTO/SB/17) of for fee processing	g) _	6.				m <i>(Appendix)</i>	s 162	
2.	$\overline{\mathbf{v}}$	Snecific	ation	ement set forth be	[Total Pages 3	13	7. Nuc (if a	leotide and/or <i>F</i> pplicable, all ne	amino A ecessa <i>r</i> y	cia seq ')	juence Submissio	_ ⊃?®	
		- Desci	riptive titl	e of the Invent	ion		а		puter R			6 S	
		- Cross	Referei	nces to Related garding Fed sp	Applications onsored R & D		b				al to computer co		F
		- Refer	ence to	Microfiche App		•	С	State	ement vo	erifying	identity of above	copies	١
				f the Invention						DUIC	ATION PARTS		٦
		- Brief	Summar	y of the Invent	ion		^	CCOMPANY	ING A	PLICA	TION PARTS		4
l		- Brief	Descript	ion of the Drav	ings (if filed)		۰۲	Assignment	Paners	(cover s	sheet & documen	t(s))	١
		- Deta	iled Des	cription			8. X] 37 C.F.R.§3			nt ——		.
		- Clain	` '				9	(when there	is an as	ssignee)	Power o	f Attorney	
ے ا				e Disclosure	STANK Shoots	<u></u>	10.	English Trar	nslation	Docume	ent <i>(if applicable)</i>		1
3.	Х	Drawii	ng(s) (35	U.S.C. 113)	Total Sheets	6	11. X	Information	Disclosu	ıre	Copies		١
4.	Oath	or Dec	laration		[Total Pages	1 l					Citation	5	١
	a.	Х	Newly	executed (orig	inal or copy)		12.	Preliminary			4DED E03\		- 1
ł	h	=	Copy	from a prior ap	plication (37 C.F	.R. § 1.63(d)) 13. X	Return Reco	eipt Pos <i>specific</i>	tcard (N <i>allv iten</i>	nized)		١
1	b.	L	(for cor	tinuation/dıvısıoı Not i	e Box 5 below]	прівсва		_ * Small Enti	ity		ment filed in prior	application	on,
1		i.		DELETION OF	INVENTOR(S) ement attached o	teletina	14.	Statement(s		Status	s still proper and	desired	
				inventor(s) nat	ned in the prior	application,		☐ (PTO/SB/09-	opy of P	riority D	ocument(s)		ı
1.				see 37 C.F.R.	88 1.63(d)(2) ar	nd 1.33(b).	15.	(if foreign p	riority is	claime	d)		
5.	ـــا	The	tire dice	locure of the DI	seable if Box 4b is for application, fi	rom which a	16.	Other:				• • • • •	
			f the ear	th or declaratio	n is supplied und	ger box 40, 13	3	· · · · · · · · · · · · · · · · · · ·	uired to l	he entitle	ed to pay small entity	/ fees, exce	ept
1		consid	ered to b	ne part of the d	isclosure of the	accompanyin	where	one has been file	d in a pric	or applic	auon and is being it	mod upom	_
<u> </u>	15 .	applica	tion and	APPLICATIO	N. check appropria	ate box, and su	pply the re	equisite informatio	on below	and in a	preliminary amendi i	nent:	
1"	7. II a	_	tinuation	Division		ation-in-part (C	IP)	of prior applicat	tion No: _		J		
1	L				miner			Gro	up / Art U	nit:			
\vdash	PI	rior appi	ication in	formation: Exa	18. COR	RESPONDE	NCE A	DDRESS					
-										_			
1 -	٦.	ustome	r Number	or Bar Code Lab	el :				or 🗵	Com	espondence addres	s below	
`	`	uotomo			(Insert Custor	ner No. or Atta	ch bar coo	le label nere)					
			Josep	h A. Walk	owski								
N	lame			Britt									
P.O. Box 2550							_						
A	lddres:	s											
1	City		Salt	Lake Cit	· · · · · ·	State	Utah	· · · · · · · · · · · · · · · · · · ·	Zip C		84110	0169	
\vdash	Country	,	U.S.A			elephone	(801)	532-1922	2	Fax	(801) 531-	3100	$\overline{}$
_	_				C-+			Registration No.	(Attorney/	Agent)	39,931		
	N.	ame (Pi	rint/Type)		Cataxinos	<u></u>				Date	08/30/00		
	s	ignature		TOTUL 111	alle		1.4. 7%	ao udli yanı dene	nding un	-	eeds of the individ	ıal case.	Any

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

ţħ THE STATE STATE STATE STATE STATES



PTO/SB/17 (12/99)
Approved for use through 09/30/2000. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
collection of information unless it displays a valid OMB control number

Under the Paperwork Reduction Act of 1995, no persons are required to res

TRANSMITTA for FY 2000

Patent fees are subject to annual revision. Small Entity payments must be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12. See 37 C.F.R. §§ 1.27 and 1.28.

TOTAL AMOUNT OF PAYMENT

(\$)	1.	908	.00

Complete if Known				
	Jiipiete ii Kilowii			
Application Number	Not Yet Assigned	2 =		
Filing Date	August 30, 2000	^A O		
First Named Inventor	Eugene P. Marsh	[6]		
Examiner Name	Unknown	3.c.		
Group / Art Unit	Unknown	46		
Attorney Docket No.	4218US (99-0796)	S S		

METHOD OF PAYMENT (check one)	FEE CALCULATION (continued)				
1. X The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:	3. ADDITIONAL FEES Large Entity Small Entity				
Deposit	Fee Fee Fee Fee Fee Description	Fee Paid			
Account Number 20-1469	105 130 205 65 Surcharge - late filing fee or oath				
Deposit	127 50 227 25 Surcharge - late provisional filing fee or cover sheet.				
Account Name Trask Britt	139 130 139 130 Non-English specification				
Charge Any Additional Fee Required Under 37 CFR §§ 1.16 and 1.17	147 2,520 147 2,520 For filing a request for reexamination				
	112 920* 112 920* Requesting publication of SIR prior to Examiner action				
2. X Payment Enclosed: X Check	113 1,840* 113 1,840* Requesting publication of SIR after Examiner action				
FEE CALCULATION	115 110 215 55 Extension for reply within first month				
	116 380 216 190 Extension for reply within second month				
1. BASIC FILING FEE Large Entity Small Entity	117 870 217 435 Extension for reply within third month				
Fee Fee Fee Fee Description	118 1,360 218 680 Extension for reply within fourth month				
404 600 604 645 1465 65	128 1,850 228 925 Extension for reply within fifth month				
101 690 201 345 Utility filing fee 690 106 310 206 155 Design filing fee	119 300 219 150 Notice of Appeal				
106 310 206 155 Design filing fee 0 107 480 207 240 Plant filing fee 0	120 300 220 150 Filing a brief in support of an appeal				
108 690 208 345 Reissue filing fee	121 260 221 130 Request for oral hearing				
114 150 214 75 Provisional filing fee	138 1,510 138 1,510 Petition to institute a public use proceeding				
114 150 214 75 Frovisional liling lee	140 110 240 55 Petition to revive - unavoidable				
SUBTOTAL (1) (\$) 690.00	141 1,210 241 605 Petition to revive - unintentional				
2. EXTRA CLAIM FEES	142 1,210 242 605 Utility issue fee (or reissue)				
Fee from Extra Claims <u>below</u> Fee Paid	143 430 243 215 Design issue fee				
Total Claims 66 -20** = 46 x 18 = 828	144 580 244 290 Plant issue fee				
Independent 8 - 3** = 5 x 78 = 390	122 130 122 130 Petitions to the Commissioner				
Multiple Dependent 0 = 0	123 50 123 50 Petitions related to provisional applications				
**or number previously paid, if greater, For Reissues, see below	126 240 126 240 Submission of Information Disclosure Stmt				
Large Entity Small Entity Fee Fee Fee Fee Fee Description Code (\$) Code (\$)	581 40 581 40 Recording each patent assignment per property (times number of properties)	40.00			
103 18 203 9 Claims in excess of 20	146 690 246 345 Filing a submission after final rejection (37 CFR § 1.129(a))	40.00			
102 78 202 39 Independent claims in excess of 3 104 260 204 130 Multiple dependent claim, if not paid	149 690 249 345 For each additional invention to be				
109 78 209 39 ** Reissue independent claims	examined (37 CFR § 1.129(b))				
over original patent	Other fee (specify)				
110 18 210 9 ** Reissue claims in excess of 20 and over original patent	Other fee (specify)				
SUBTOTAL (2) (\$) 1,218.00	*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$)	40.00			

SUBMITTED BY Complete (if applicable) Registration No. Name (Print/Type) Telephone Cataxinos (Attorney/Agent) 39,931 (801) 532-1922 Signature Date 08/30/2000

Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.